

(Core Java Programs)

1. Write a program to find area of triangle when base and heights are given.
2. Write a program to compute the area of circle.
3. Write a program to find the mean and Standard Deviation of 5 integers
4. Write a program to find the simple interest. ($SI = PTR/100$)
5. Write a program to find the distance between the two points in Cartesian coordinate system.
6. Write a program to find the area of triangle when three sides are given. (hint: use heron's equation $A = \sqrt{p(p-a)(p-b)(p-c)}$ and $p = (a+b+c)/2$).
7. Write a program to find the area of triangle when three points are given.
8. Write a program to solve this equation $((a+b)/(x+y))^{1/x+y}$.
9. Write a program to solve this equation $\sqrt{(m+n+p)}^{(x+y)} / ((a+b+c) / (m+n))$.
10. Write a program to solve this equation $b^2/4c + (\sqrt{3A^2} + \sqrt{8B})$.
11. Write a program to solve this equation $e^x \sin \sqrt{x-y^3}$.
12. Write a program to solve the following equation $(\sin(a)+\cos(b))/(x+y)^{1/5}$
13. Write a program to solve the following equation

$$u = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$
